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A
PATENT

U.S. Applicant:

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

CHOE, G.

Serial No.:

UNKNOWN

Filed:

CONCURRENT HEREWITH

Docket No.:

SJ09-2001-0040US1

501.388US01

Title:

A METHOD AND APPARATUS FOR PROVIDING PRECISE CONTROL OF MAGNETIC COUPLING FIELD IN NiMn TOP SPIN VALVE HEADS AND AMPLITUDE ENHANCEMENT

01/02/02
PTO
1011 U.S. PTO
1011 U.S. PTO
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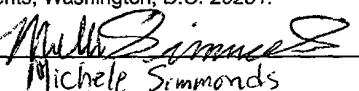
01/02/02
PTO
1011 U.S. PTO
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CERTIFICATE UNDER 37 C.F.R. 1.10:

'Express Mail' mailing number: EL733009409US

Date of Deposit: 1-2-02

The undersigned hereby certifies that this Transmittal Letter and the paper or fee, as described herein, are being deposited with the United States Postal Service 'Express Mail Post Office To Addressee' service under 37 CFR 1.10 and is addressed to the Assistant Commissioner for Patents, Washington, D.C. 20231.

By: 
Michele Simmonds

Box PATENT APPLICATION
Assistant Commissioner for Patents
Washington, D.C. 20231

- Patent application including 24 pages of specification, 9 pages of claims, 11 sheets of drawings and 1 page of abstract
- Signed Declaration and Power of Attorney
- Assignment to International Business Machines Corporation, Recordation Form Cover Sheet, Check for \$40.00
- Check(s) in the amount of \$1064.00 for Filing Fees
- Transmittal Sheet
- Return postcard

Assignee Information for Publication Purposes

Assignee Name: International Business Machines Corporation

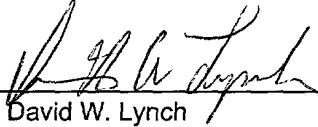
Assignee Residence: Armonk, New York

CLAIMS FILED					
	Total Claims	In Excess of	Extra Claims Present	Rate	Fees
Basic Filing Fee					\$ 740.00
Total Claims	38	20	18	X \$18.00	\$ 324.00
Indep. Claims	3	3	0	X \$84.00	\$ 0
Multiply Dependent Claims					\$ 0
				TOTAL FEES	\$ 1064.00

Authorization is hereby given to charge any additional fees or credit any overpayments that may be deemed necessary to Deposit Account Number 50-1038.

Respectfully submitted,
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Date: 1/2/02

By: 
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